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INSTRUMENT APPROACH PROCEDURE CHARTS

IFR TAKE-OFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

Civil Airports and Selected Military Airports

ALL USERS: Airports that have Departure Procedures (DPs) designed specifically to assist pilots in avoiding obstacles during the climb to the minimum enroute altitude, and/or airports that have civil IFR take-off minimums other than standard, are listed below. Take-off Minimums and Departure Procedures apply to all runways unless otherwise specified. Altitudes, unless otherwise indicated, are minimum altitudes in MSL.

DPs specifically designed for obstacle avoidance are referred to as Obstacle Departure Procedures (ODPs) and are described below in text, or published separately as a graphic procedure. If the (Obstacle) DP is published as a graphic procedure, its name will be listed below, and it can be found in either this volume (civil), or a separate Departure Procedure volume (military), as appropriate. Users will recognize graphic obstacle DPs by the term "(OBSTACLE)" included in the procedure title; e.g., TETON TWO (OBSTACLE). If not assigned a SID or radar vector by ATC, an ODP may be flown without ATC clearance to ensure obstacle clearance.

Graphic DPs designed by ATC to standardize traffic flows, ensure aircraft separation and enhance capacity are referred to as "Standard Instrument Departures (SIDs)". SIDs also provide obstacle clearance and are published under the appropriate airport section. ATC clearance must be received prior to flying a SID.

CIVIL USERS NOTE: Title 14 Code of Federal Regulations Part 91 prescribes standard take-off rules and establishes take-off minimums for certain operators as follows: (1) Aircraft having two engines or less - one statute mile. (2) Aircraft having more than two engines - one-half statute mile. These standard minima apply in the absence of any different minima listed below.

MILITARY USERS NOTE: Civil (nonstandard) take-off minima are published below. For military take-off minima, refer to appropriate service directives.

NAME TAKE-OFF MINIMUMS

AKRON, NY

AKRON

TAKE-OFF MINIMUMS: **Rwy 7, 25**, 300-1.

ALBANY, NY

ALBANY INTL

TAKE-OFF MINIMUMS: **Rwy 10**, 300-1 or std. with a min. climb of 400' per NM to 700. **Rwy 28**, 300-1 or std. with a min. climb of 485' per NM to 500.DEPARTURE PROCEDURE: **Rwy 10**, climb heading 110° to 2000 before turning north. **Rwy 19**, climb heading 191° to 1400 before proceeding on course. **Rwy 28**, climb heading 281° to 2000 before turning south.NOTE: **Rwy 10**, multiple trees beginning 21' from departure end of runway, 53' left of centerline, up to 99' AGL/398' MSL. Multiple trees beginning 74' from departure end of runway, 188' right of centerline, up to 93' AGL/402' MSL. **Rwy 19**, multiple trees beginning 909' from departure end of runway, 638' left of centerline, up to 80' AGL/379' MSL. Multiple trees beginning 1125' from departure end of runway, 460' right of centerline, up to 44' AGL/343' MSL. **Rwy 28**, multiple trees, building, light on pole, and electrical equipment beginning 23' from departure end of runway, 93' right of centerline, up to 87' AGL/416' MSL. Multiple trees, lights on poles, building, and sign beginning 110' from departure end of runway, 7' left of centerline, up to 91' AGL/390' MSL.

NAME

TAKE-OFF MINIMUMS

ALBION, NY

PINE HILL

TAKE-OFF MINIMUMS: **Rwy 10**, 300-1.DEPARTURE PROCEDURE: **Rwy 10**, climb runway heading to 1000 before proceeding on course.

ANDOVER, NJ

AEROFLEX-ANDOVER

TAKE-OFF MINIMUMS: **Rwy 3**, 500-2 or std. with a min. climb of 310' per NM to 900. **Rwy 21**, 600-2 or std. with a min. climb of 256' per NM to 1000.DEPARTURE PROCEDURE: **Rwy 3**, climb runway heading to 1200 before proceeding on course.**Rwy 21**, climb runway heading to 1400 before proceeding on course.NOTE: **Rwy 3**, trees 4800' from departure end of runway, 1050' left of centerline, 100' AGL/803' MSL.**Rwy 21**, trees 715' from departure end of runway, 164' right of centerline, 84' AGL/667' MSL.

ATLANTIC CITY, NJ

ATLANTIC CITY INTL

NOTE: **Rwy 4**, tree 2185' from departure end of runway, 491' left of centerline, 50' AGL/124' MSL. **Rwy 13**, tree 1654' from departure end of runway, 814' right of centerline, 64' AGL/110' MSL. **Rwy 22**, building 530' from departure end of runway, 555' right of centerline, 15' AGL/75' MSL.

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BATAVIA, NY**GENESEE COUNTY AIRPORT**

NOTE: **Rwy 28**, terrain 15' from departure end of runway, 72' left of centerline, 919' MSL. Terrain 19' from departure end of runway, 231' right of centerline, 916' MSL. Multiple trees beginning 608' from departure end of runway, 584' left of centerline, up to 100' AGL/1009' MSL. Tower 1789' from departure end of runway, 704' left of centerline, 100' AGL/1005' MSL.

BELMAR-FARMINGDALE, NJ**MONMOUTH EXECUTIVE**

TAKE-OFF MINIMUMS: **Rwys 3, 21**, 300-1.

BERLIN, NJ**CAMDEN COUNTY**

TAKE-OFF MINIMUMS: **Rwy 5**, 600-1½ or std. with a min. climb of 270' per NM to 600.

DEPARTURE PROCEDURE: **Rwys 5, 23**, climb to 600 before turning on course.

BINGHAMTON, NY**GREATER BINGHAMTON/EDWIN A. LINK FIELD (BGM)**

ORIG 08157 (FAA)

NOTE: **Rwy 10**, trees beginning 143' from departure end of runway, 259' left of centerline, up to 29' AGL/1579' MSL. **Rwy 16**, trees beginning 162' from departure end of runway, 325' left of centerline, up to 100' AGL/1669' MSL. **Rwy 28**, trees beginning 157' from departure end of runway, 406' left of centerline, up to 52' AGL/1602' MSL. **Rwy 34**, antenna 216' from departure end of runway, 223' right of centerline, 93' AGL/1643' MSL.

BLAIRSTOWN, NJ**BLAIRSTOWN**

TAKE-OFF MINIMUMS: **Rwy 7**, 300-1. **Rwy 25**, 400-2 or std. with a min. climb of 260' per NM to 800'.

DEPARTURE PROCEDURE: Eastbound Departure:

Rwy 7, climb runway heading to 800' then continue climb to 3000 direct STW VOR/DME before departing as cleared. **Rwy 25**, climb runway heading to 800' then continue climbing left turn to 3000 via STW R-250 to STW VOR/DME before departing as cleared.

Westbound Departure: **Rwy 7**, climb runway heading to 800' then continue climbing right turn to 3000 or above via heading 200°, to intercept STW R-243 to the FJC R-087 direct to FJC VORTAC before departing as cleared. **Rwy 25**, climb runway heading to 800, then continue climbing left turn to 3000 or above via heading 200°, to intercept STW R-243 to the FJC R-087 direct to FJC VORTAC before departing as cleared.

BUFFALO, NY**BUFFALO AIRFIELD (9G0)**

AMDT 1 08325 (FAA)

NOTE: **Rwy 6**, trees beginning 2296' from departure end of runway, 68' left of centerline, up to 100' AGL/770' MSL. Tree 4038' from departure end of runway, 1425' right of centerline, 100' AGL/779' MSL. Trees beginning 3080' from departure end of runway, 219' right of centerline, up to 100' AGL/769' MSL. **Rwy 24**, trees beginning 91' from departure end of runway, 208' right of centerline, up to 100' AGL/780' MSL. Trees beginning 868' from departure end of runway, 112' left of centerline, up to 100' AGL/750' MSL.

BUFFALO NIAGARA INTL

NOTE: **Rwy 5**, tree 648' from departure end of runway, 662' left of centerline, 65' AGL/751' MSL. Trees beginning 697' from departure end of runway, 385' right of centerline, up to 100' AGL/787' MSL. **Rwy 23**, trees, poles, building and pump beginning 6' from departure end of runway, 290' left of centerline, up to 40' AGL/721' MSL. Tree 3317' from departure end of runway, 916' right of centerline, 68' AGL/759' MSL. **Rwy 32**, multiple trees and a bush beginning 141' from departure end of runway, 66' left of centerline, up to 67' AGL/756' MSL. Multiple trees beginning 43' from departure end of runway, 90' right of centerline, up to 66' AGL/752' MSL.

CALDWELL, NJ**ESSEX COUNTY**

TAKE-OFF MINIMUMS: **Rwys 4, 22, 28**, 300-1.

Rwy 10, 900-1.

DEPARTURE PROCEDURE: **Rwys 4, 22, 28**, climb runway heading to 600 before departing as cleared.

CANANDAIGUA, NY**CANANDAIGUA**

TAKE-OFF MINIMUMS: **Rwy 13**, 300-1 or std. with a min. climb of 230' per NM to 1100.

CORTLAND, NY**CORTLAND COUNTY-CHASE FIELD**

TAKE-OFF MINIMUMS: **Rwy 6**, 600-2 or std. with a min. climb of 220' per NM to 2000. **Rwy 24**, 400-2 or std. with a min. climb of 330' per NM to 1700.

DEPARTURE PROCEDURE: **Rwys 6, 24**, climb runway heading to 2600 before turning southbound.

CROSS KEYS, NJ**CROSS KEYS**

TAKE-OFF MINIMUMS: **Rwys 9, 27**, 300-1.

DANVILLE, NY**DANVILLE MUNI**

TAKE-OFF MINIMUMS: **Rwys 14, 18**, 1600-2.

Rwy 32, 800-1. **Rwy 36**, 1700-2.

DEPARTURE PROCEDURE: **Rwy 32**, climb on heading 335° to 2000 before proceeding on course.

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DUNKIRK, NY**CHAUTAUQUA COUNTY/ DUNKIRK**

TAKE-OFF MINIMUMS: **Rwy 15**, 400-2 or std. with a min. climb of 230' per NM to 1200.

DEPARTURE PROCEDURE: **Rwys 6, 15**, climb runway heading to 1200, then climbing left turn direct DKK VORTAC before proceeding on course. **Rwys 24, 33**, climb runway heading to 1200, then climbing right turn direct DKK VORTAC before proceeding on course. Southbound aircraft cross DKK VORTAC at or above 2300.

EAST HAMPTON, NY**EAST HAMPTON**

TAKE-OFF MINIMUMS: **Rwy 34**, 300-1.

NOTE: **Rwy 4**, 40' AGL trees 200' from departure end of runway. **Rwy 22**, 42' AGL trees 120' from departure end of runway. **Rwy 16**, 48' AGL trees 130' right of departure end of runway.

ELLENVILLE, NY**JOSEPH Y RESNICK**

TAKE-OFF MINIMUMS: **Rwy 4**, 1000-2. **Rwy 22**, 1600-2 or std. with a min. climb of 450' per NM to 1800.

DEPARTURE PROCEDURE: **Rwy 4**, climb runway heading to 5000 before proceeding on course. **Rwy 22**, climb on heading 240° to 4000 before proceeding on course.

ELMIRA, NY**ELMIRA/CORNING RGNL**

TAKE-OFF MINIMUMS: **Rwys 5, 23**, NA-ATC. **Rwy 6**, 600-2½ or std. with a min. climb of 325' per NM to 1700. **Rwy 10**, std. with a min. climb of 449' per NM to 1600, or 2000-3 for climb in visual conditions. **Rwy 24**, std. with a min. climb of 423' per NM to 2400, or 2000-3 for climb in visual conditions. **Rwy 28**, std. with a min. climb of 636' per NM to 2100, or 2000-3 for climb in visual conditions.

DEPARTURE PROCEDURE: **Rwy 6**, climb heading 062° to 2400 before proceeding on course. **Rwy 10**, climb heading 101° to 2500 before proceeding on course. For climb in visual conditions: cross Elmira/Corning Rgnl Airport at or above 2800' MSL before proceeding on course. **Rwy 24**, climb heading 242° to 2600 before proceeding on course. For climb in visual conditions: cross Elmira/Corning Rgnl Airport at or above 2800' MSL before proceeding on course. **Rwy 28**, climb heading 281° to 2400 before proceeding on course. For climb in visual conditions: cross Elmira/Corning Rgnl Airport at or above 2800' MSL before proceeding on course.

NOTE: **Rwy 6**, multiple trees beginning 984' from departure end of runway, 228' left of centerline, up to 34' AGL/1023' MSL. Multiple trees 2.1 NM from departure end of runway, 3938' left of centerline, up to 100' AGL/1499' MSL. Multiple trees beginning 809' from departure end of runway, 102' right of centerline, up to 39' AGL/1028' MSL. **Rwy 10**, poles and multiple trees beginning 551' from departure end of runway, 38' left of centerline, up to 49' AGL/998' MSL. Pole and multiple trees beginning 130' from departure end of runway, 125' right of centerline, up to 63' AGL/1012' MSL.

ELMIRA/CORNING RGNL (CON'T)

Rwy 24, sign and multiple trees beginning 870' from departure end of runway, 528' left of centerline, up to 48' AGL/1006' MSL. **Rwy 28**, multiple trees beginning 1341' from departure end of runway, 289' left of centerline, up to 73' AGL/1012' MSL. Tower and multiple trees beginning 440' from departure end of runway, 472' right of centerline, up to 92' AGL/1031' MSL.

ENDICOTT, NY**TRI-CITIES**

TAKE-OFF MINIMUMS: **Rwy 3**, 700-2. **Rwy 21**, 1100-2. DEPARTURE PROCEDURE: **Rwy 3**, climb runway heading to 1700, then climbing left turn direct CFB VORTAC until passing 2500 before proceeding on course. **Rwy 21**, climb runway heading to 1900, then climbing right turn direct CFB VORTAC until passing 2700 before proceeding on course.

NOTE: **Rwy 3**, trees and terrain 646' above runway 1.5 NM from departure end of runway, 3000' left of centerline. **Rwy 21**, trees and terrain 735' above runway 1.4 NM from departure end of runway, 2625' left of centerline. Trees and terrain 1035' above runway 2.9 NM from departure end of runway, 5950' left of centerline.

FARMINGDALE, NY**REPUBLIC (FRG)****AMDT 5A 08157 (FAA)**

TAKE-OFF MINIMUMS: **Rwy 1**, 300-1 or std. with a min. climb of 280' per NM to 300. **Rwy 14**, 300-1 or std. with a min. climb of 220' per NM to 300. **Rwy 32**, 300-2 or std. w/ min. climb of 220' per NM to 400.

DEPARTURE PROCEDURE: **Rwys 1, 32**, climb runway heading to 800 before proceeding on course.

NOTE: **Rwy 19**, 102' sign at departure end of runway, 510' right of centerline. **Rwy 32**, tank 8214' from departure end of runway, 1120' left of centerline, 107' AGL/297' MSL.

FISHERS ISLAND, NY**ELIZABETH FIELD**

TAKE-OFF MINIMUMS: **Rwy 7**, 300-1 or std. with a min. climb of 300' per NM to 300.

NOTE: **Rwy 7**, 15' AGL bunker 25' from departure end of runway, right of centerline.

FULTON, NY**OSWEGO COUNTY**

TAKE-OFF MINIMUMS: **Rwy 6**, 300-1 or std. with a min. climb gradient of 270' per NM to 900.

NOTE: **Rwy 6**, hill 1400' from departure end of runway, on centerline 50' AGL/549' MSL. **Rwy 15**, trees 1700' from departure end of runway, on centerline 85' AGL/560' MSL. **Rwy 24**, trees 1350' from departure end of runway, on centerline 60' AGL/517' MSL. **Rwy 33**, road 400' from departure end of runway, on centerline 15' AGL/462' MSL.

GLENS FALLS, NY**FLOYD BENNETT MEMORIAL**

TAKE-OFF MINIMUMS: **Rwys 1, 12, 19, 30**, 300-1.

DEPARTURE PROCEDURE: **Rwys 1, 12, 30**, climbing right turn to 2000 direct GANSE LOM before proceeding on course. **Rwy 19**, Climb to 2000 direct GANSE LOM before proceeding on course.

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HAMILTON, NY**HAMILTON MUNI**

TAKE-OFF MINIMUMS: **Rwy 17**, 500-2 or std. with a min. climb of 400' per NM to 1700.

DEPARTURE PROCEDURE: **Rwy 35**, climb runway heading to 1900 before proceeding on course.

HORNELL, NY**HORNELL MUNI (4G6)****AMDT 4 08269 (FAA)**

TAKE-OFF MINIMUMS: **Rwy 18**, std. w/ min. climb of 425' per NM to 2200 or 1500-3 for climb in visual conditions. **Rwy 36**, NA-Obstacles.

DEPARTURE PROCEDURE: **Rwy 18**, climb heading 165° to 2700 before proceeding on course or for climb in visual conditions cross Hornell Muni airport at or above 2600 MSL before proceeding on course.

NOTE: **Rwy 18**, trees 1260' from departure end of runway, 79' left of centerline, up to 96' AGL/1256' MSL.

HUDSON, NY**COLUMBIA COUNTY (1B1)****ORIG 08213 (FAA)**

DEPARTURE PROCEDURE: **Rwy 3**, climb heading 025° to 1500 before turning. **Rwy 21**, climb heading 190° to 2100 before turning right.

NOTE: **Rwy 3**, vehicles beginning 393' from departure end of runway, 19' left of centerline, up to 17' AGL/226' MSL. Trees beginning 856' from departure end of runway, 587' right of centerline, up to 80' AGL/279' MSL. Trees beginning 3292' from departure end of runway, 574' left of centerline, up to 80' AGL/339' MSL. **Rwy 21**, fence 104' from departure end of runway, 372' left of centerline, up to 44' AGL/203' MSL. Trees beginning 400' from departure end of runway, 41' right of centerline, up to 80' AGL/280' MSL. Trees beginning 563' from departure end of runway, 61' left of centerline, 80' AGL/289' MSL.

ISLIP, NY**LONG ISLAND MACARTHUR**

TAKE-OFF MINIMUMS: **Rwy 33R**, 300-1 or std. with a min. climb of 220' per NM to 400.

ITHACA, NY**ITHACA TOMPKINS RGNL (ITH)****AMDT 4 08241 (FAA)**

TAKE-OFF MINIMUMS: **Rwy 14**, Std. w/ min. climb of 350' per NM to 2400 or 1500-3 for climb in visual conditions.

DEPARTURE PROCEDURE: **Rwy 14**, Climb heading 145° to 2400 before turning left or for climb in visual conditions cross Ithaca Tompkins RGNL airport at or above 2400 before proceeding on course. **Rwy 32**, Climb heading 325° to 1600 before proceeding on course.

NOTE: **Rwy 14**, Trees beginning 569' from departure end of runway, 527' right of centerline, up to 100' AGL/1599' MSL. Trees beginning 1831' from departure end of runway, 767' left of centerline, up to 100' AGL/1780' MSL. Transmission pole and towers beginning 1952' from departure end of runway, 330' right of centerline, up to 52' AGL/1151' MSL. Tower 2.46 NM from departure end of runway, 4420' left of centerline, up to 100' AGL/1620' MSL. **Rwy 32**, Trees beginning 338' from departure end of runway, 380' right of centerline, up to 100' AGL/1219' MSL. Trees beginning 1265' from departure end of runway, 462' left of centerline, up to 100' AGL/1179' MSL.

JAMESTOWN, NY**CHAUTAUQUA COUNTY/JAMESTOWN**

NOTE: **Rwy 7**, multiple trees beginning 495' from departure end of runway, 525' left of centerline, up to 30' AGL/1749' MSL. **Rwy 13**, rising terrain beginning 200' from departure end of runway, left and right of centerline, up to 1740' MSL. Multiple trees beginning 228' from departure end of runway, 232' left of centerline, up to 47' AGL/1795' MSL. Vent on building 527' from departure end of runway, 628' right of centerline, 38' AGL/1768' MSL. Vehicles on road, 737' from departure end of runway, 329' right of centerline, 15' AGL/1756' MSL. Vent on building 1003' from departure end of runway, 426' right of centerline, 38' AGL/1768' MSL. Obstacle light on building 1232' from departure end of runway, 309' right of centerline, 38' AGL/1768' MSL. Multiple trees beginning 831' from departure end of runway, 77' right of centerline, up to 90' AGL/1799' MSL. **Rwy 25**, antenna on building 424' from departure end of runway, 262' left of centerline, 14' AGL/1733' MSL. Tree 731' from departure end of runway, 652' left of centerline, 72' AGL/1761' MSL. **Rwy 31**, vehicles on road 0' from departure end of runway, 403' right of centerline, 15' AGL/1734' MSL. Rising terrain beginning abeam departure end of runway, left and right of centerline, up to 1749' MSL. Multiple trees beginning 404' from departure end of runway, 127' right of centerline, up to 62' AGL/1801' MSL. Multiple trees beginning 577' from departure end of runway, 630' left of centerline, up to 44' AGL/1793' MSL. Tree 3695' from departure end of runway, 728' left of departure end of runway, 35' AGL/1834' MSL. Tree 6082' from departure end of runway, 846' left of centerline, 100' AGL/1879' MSL.

JOHNSTOWN, NY**FULTON COUNTY**

TAKE-OFF MINIMUMS: **Rwys 10, 28**, 300-1.

NOTE: **Rwy 10**, 50' AGL trees 720' from departure end of runway, 65' left of centerline. **Rwy 28**, 60' AGL trees 700' from departure end of runway, 125' left of centerline.

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KINGSTON, NY

KINGSTON-ULSTER

TAKE-OFF MINIMUMS: **Rwy 33**, 300-1.DEPARTURE PROCEDURE: **Rwy 15**, climb to 3000 via PWL R-316 to TRESA INT before proceeding on course. **Rwy 33**, climbing right turn to 3000 on heading 170° and PWL R-316 to TRESA INT before proceeding on course.

LAKE PLACID, NY

LAKE PLACID

TAKE-OFF MINIMUMS: **Rwy 14**, NA-obstacles.**Rwy 32**, std. with a min. climb of 420' per NM to 4000.DEPARTURE PROCEDURE: **Rwy 32**, climbing left turn to 5000 via heading 304° to intercept SLK R-180 to SLK VOR/DME before proceeding on course.

LAKEWOOD, NJ

LAKEWOOD

TAKE-OFF MINIMUMS: **Rwy 6, 24**, 400-2 or std. with a min. climb of 330' per NM to 600.

LINCOLN PARK, NJ

LINCOLN PARK

TAKE-OFF MINIMUMS: **Rwy 1**, 900-2. **Rwy 19**, 300-1. DEPARTURE PROCEDURE: **Rwy 1**, climb visually over airport to 1000 before proceeding on course. **Rwy 19**, climb runway heading to 1000 before proceeding on course.

LINDEN, NJ

LINDEN

TAKE-OFF MINIMUMS: **Rwy 27**, 300-1.

LOCKPORT, NY

NORTH BUFFALO SUBURBAN

TAKE-OFF MINIMUMS: **Rwys 10, 28**, 300-1.NOTE: **Rwy 10**, 46' AGL tree 353' from departure end of runway, 75' right of centerline. **Rwy 28**, 60' AGL tree 650' from departure end of runway, 350' right of centerline.

LUMBERTON, NJ

FLYING W

TAKE-OFF MINIMUMS: **Rwys 1, 19**, 300-1.

MALONE, NY

MALONE-DUFORT

TAKE-OFF MINIMUMS: **Rwy 14**, 300-1 or std. with a min. climb of 220' per NM to 1100. **Rwy 23**, 500-1 or std. with a min. climb of 240' per NM to 1400.DEPARTURE PROCEDURE: **Rwys 5, 14, 23, 32**, aircraft departing V-282 northbound and V-98 northeastbound climb via heading 050° to 2500 before proceeding on course. All other directions climb to 2000 via heading 300° before proceeding on course.

MANVILLE, NJ

CENTRAL JERSEY RGNL

DEPARTURE PROCEDURE: **Rwy 7**, climb heading 069° to 800 before turning left.NOTE: **Rwy 7**, multiple trees and a building beginning 29' from departure end of runway, 1266' left of centerline, up to 92' AGL/132' MSL. Multiple trees and poles beginning 238' from departure end of runway, 74' right of centerline, up to 94' AGL/154' MSL. **Rwy 25**, multiple trees beginning 183' from departure end of runway, 33' right of centerline, up to 93' AGL/173' MSL. Multiple trees beginning 212' from departure end of runway, 181' left of centerline, up to 83' AGL/163' MSL.

MASSENA, NY

MASSENA INTL-RICHARDS FIELD

TAKE-OFF MINIMUMS: **Rwys 5, 27**, 300-1.**Rwy 9**, 300-1 or std. with a min. climb of 260' per NM to 500. **Rwy 23**, 300-1 or std. with a min. climb of 230' per NM to 800.

MIDDLETOWN, NY

RANDALL

TAKE-OFF MINIMUMS: **Rwy 26**, 700-2 or std. with a min. climb of 260' per NM to 2400.DEPARTURE PROCEDURE: **Rwy 26**, climb runway heading to 2400 before proceeding on course.

MILLBROOK, NY

SKY ACRES

TAKE-OFF MINIMUMS: **Rwy 17**, 900-1 or std. with a min. climb of 390' per NM to 1700. **Rwy 35**, 300-1 or std. with a min. climb of 250' per NM to 1300.DEPARTURE PROCEDURE: **Rwy 17**, climb runway heading to 1700, then climbing right turn to intercept IGN R-147, to IGN VOR/DME. Cross IGN VOR/DME at or above 3000. **Rwy 35**, climb runway heading to 1300, then climbing left turn to intercept IGN R-009 to IGN VOR/DME. Cross IGN VOR/DME at or above 3000.

MILLVILLE, NJ

MILLVILLE MUNI

NOTE: **Rwy 10**, multiple trees beginning 14' from departure end of runway, 498' right of centerline, up to 49' AGL/134' MSL. **Rwy 14**, multiple trees beginning 20' from departure end of runway, 167' left and 139' right of centerline, up to 72' AGL/154' MSL. **Rwy 28**, multiple trees beginning 28' from departure end of runway, 144' left and 167' right of centerline, up to 80' AGL/154' MSL. **Rwy 32**, multiple trees beginning 34' from departure end of runway, 341' left and 273' right of centerline, up to 71' AGL/152' MSL.

MONTAUK, NY

MONTAUK

DEPARTURE PROCEDURE: **Rwy 24**, climbing right turn to 3000 direct GON VOR/DME before proceeding on course.NOTES: **Rwy 6**, 37' dune 200' from departure end of runway. **Rwy 24**, 35' power line 40' from departure end of runway.

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MONTGOMERY, NY

ORANGE COUNTY

TAKE-OFF MINIMUMS: **Rwy 3**, 500-2 or std. with a min. climb of 440' per NM to 900. **Rwy 8**, 300-1 or std. with a min. climb of 230' per NM to 600. **Rwy 21**, 500-1 or std. with a min. climb of 210' per NM to 800. **Rwy 26**, 400-1 or std. with a min. climb of 270' per NM to 900.

DEPARTURE PROCEDURE: **Rwy 3**, climb runway heading to 2100 before proceeding on course.

Rwys 8, 21, 26, climb runway heading to 1000 before proceeding on course.

MONTICELLO, NY

SULLIVAN COUNTY INTL

DEPARTURE PROCEDURE: **Rwy 33**, climb straight ahead to 2500 before departing on course.

MORRISTOWN, NJ

MORRISTOWN MUNI

TAKE-OFF MINIMUMS: **Rwy 23**, 400-2 or std. with a min. climb of 365' per NM to 700. **Rwy 31**, 500-2 or std. with a min. climb of 390' per NM to 900.

DEPARTURE PROCEDURE: **Rwy 13, 23, 31**, use MORRISTOWN DEPARTURE.

NOTE: **Rwy 5**, cross departure end of runway at or above 25' AGL/209' MSL. **Rwy 13**, 73' AGL tree, 1100' from departure end of runway, 600' right of centerline. Cross departure end of runway at or above 35' AGL/217' MSL. **Rwy 23**, 60' AGL tree, 500' from departure end of runway, 400' right of centerline. Cross departure end of runway at or above 35' AGL/218' MSL. **Rwy 31**, 50' AGL trees, 1500' from departure end of runway, 700' right of centerline. Cross departure end of runway at or above 35' AGL/222' MSL.

NEW YORK, NY

JOHN F. KENNEDY INTL

TAKE-OFF MINIMUMS: **Rwy 13R**, 300-1½ or std. with a min. climb of 250' per NM to 300. **Rwy 31L**, standard with a min. climb of 210' per NM to 2000.

NOTE: **Rwy 4L**, taxiing aircraft 691' from departure end of runway, 390' left of centerline, 64' AGL/77' MSL. Tree 1824' from departure end of runway, 180' right of centerline, 63' AGL/79' MSL. Tree 1847' from departure end of runway, 88' left of centerline, 54' AGL/67' MSL. Multiple obstruction lights on fence beginning 249' from departure end of runway, 316' left of centerline, 10' AGL/22' MSL. **Rwy 4R**, multiple trees beginning 1294' from departure end of runway, 687' left of centerline, up to 63' AGL/76' MSL. Tree 524' from departure end of runway, 613' right of centerline, 20' AGL/33' MSL. **Rwy 13L**, electrical equipment 106' from departure end of runway, 416' left of centerline, 10' AGL/17' MSL. Obstruction light on glideslope antenna 1046' from departure end of runway, 141' left of centerline, 27' AGL/40' MSL. **Rwy 13R**, obstruction light on tank 1.12 NM from departure end of runway, 2116' right of centerline, 215' AGL/227' MSL. Obstruction light on fence 98' from departure end of runway, 6' right of centerline, 10' AGL/24' MSL. Tower 4690' from departure end of runway, 1386' right of centerline, 127' AGL/140' MSL. **Rwy 31L**, tree 2076' from departure end of runway, 436' left of centerline, 79' AGL/91' MSL. Bush 257' from departure end of runway, 530' left of centerline, 13' AGL/25' MSL.

JOHN F. KENNEDY INTL (CON'T)

Rwy 31R, tree 752' from departure end of runway, 654' left of centerline, 39' AGL/52' MSL. Tree 561' from departure end of runway, 646' right of centerline, 30' AGL/43' MSL. Multiple light poles beginning 1442' from departure end of runway, 336' left of centerline, up to 44' AGL/67' MSL. Vehicle on road 281' from departure end of runway, 501' left of centerline, 15' AGL/26' MSL. Multiple obstruction lights on poles and fence beginning 365' from departure end of runway, 15' left of centerline, up to 17' AGL/31' MSL. Obstruction light on pole 625' from departure end of runway, 359' right of centerline, 28' AGL/31' MSL. Approach light 190' from departure end of runway, 8' right of centerline, 5' AGL/18' MSL. Fence 410' from departure end of runway, 352' right of centerline, 10' AGL/23' MSL.

LA GUARDIA (LGA)

AMDT 8 08325 (FAA)

TAKE-OFF MINIMUMS: **Rwy 4**, 400-2½ or std. with a min. climb of 230' per NM to 600. **Rwy 13**, 400-2½ or std. with a min. climb of 280' per NM to 500. **Rwy 22**, 300-2½ or std. w/ min. climb of 210' per NM to 400. **Rwy 31**, 300-1½ or std. with a min. climb of 260' per NM to 400.

DEPARTURE PROCEDURE: **Rwy 4**, climb heading 044° to 800 before proceeding westbound. **Rwy 13**, climb heading 134° to 700 before proceeding westbound. **Rwy 22**, climb heading 224° to 2100 before proceeding westbound. **Rwy 31**, climb heading 314° to 1400 before proceeding westbound.

NOTE: **Rwy 4**, bridge 2.1 NM from departure end of runway, 3754' right of centerline, 345' AGL/384' MSL. Bush and terrain beginning 99' from departure end of runway, 114' left of centerline, up to 16' AGL/33' MSL. **Rwy 13**, multiple buildings beginning 1.9 NM from departure end of runway, 741' right of centerline, up to 280' AGL/345' MSL. Multiple buildings, stacks, bush, and fence lights beginning 98' from departure end of runway, 168' left of centerline, up to 211' AGL/271' MSL. Localizer 392' from departure end of runway, on centerline, 10' AGL/19' MSL. **Rwy 22**, multiple trees, buildings, and blast fence beginning 109' from departure end of runway, 138' right of centerline, up to 222' AGL/302' MSL. Multiple trees and buildings beginning 165' from departure end of runway, 150' left of centerline, up to 72' AGL/102' MSL. **Rwy 31**, stack 1.3 NM from departure end of runway, left of centerline, 250' AGL/268' MSL.

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TAKE-OFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES



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TAKE-OFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

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NEWARK, NJ

NEWARK LIBERTY INTL (EWR)

AMDT 4 08213 (FAA)

TAKE-OFF MINIMUMS: **Rwy 4L**, std. w/min climb of 383' per NM to 800. **Rwy 4R**, std. w/min. climb of 373' per NM to 800. **Rwy 11**, std. w/min. climb of 240' per NM to 2000. **Rwy 22R**, 300-1% or std. w/min. climb of 203' per NM to 300, or alternatively, with standard takeoff minimums and a normal 200' /NM climb gradient, takeoff must occur no later than 1200' prior to departure end of runway. **Rwy 29**, 400-2 or std. w/min climb of 444' per NM to 500.

NOTE: **Rwy 4L**, tower, light, and multiple trees beginning 211' from departure end of runway, 198' left of centerline, up to 70' AGL/89' MSL. DME antenna and pole beginning 881' from departure end of runway, 418' right of centerline, up to 121' AGL/131' MSL. **Rwy 4R**, DME antenna, tree, and multiple towers beginning 530' from departure end of runway, 477' left of centerline, up to 61' AGL/82' MSL. Tower, sign, tree, multiple buildings and poles beginning 1134' from departure end of runway, 153' right of centerline, up to 121' AGL/131' MSL. **Rwy 11**, terrain, sign, tree, road, fence, building, and multiple poles beginning 82' from departure end of runway, 2' left of centerline, up to 49' AGL/68' MSL. Pole and multiple signs beginning 6' from departure end of runway, 158' right of centerline, up to 31' AGL/50' MSL. **Rwy 22L**, pole 8' from departure end of runway, 261' left of centerline, 7' AGL/16' MSL. **Rwy 22R**, light and multiple trees beginning 1829' from departure end of runway, 307' right of centerline, up to 55' AGL/69' MSL. Building 1.4 NM from departure end of runway, 1872' left of centerline, 200' AGL/227' MSL. **Rwy 29**, poles, trees, multiple signs and buildings beginning 209' from departure end of runway, 242' left of centerline, up to 110' AGL/120' MSL. Tree multiple signs and poles beginning 689' from departure end of runway, 66' right of centerline, up to 273' AGL/358' MSL. Building 6020' from departure end of runway, 1624' right of centerline, 273' AGL/357' MSL. Building 1.5 NM from departure end of runway, 2071' right of centerline, 202' AGL/328' MSL.

NEWBURGH, NY

STEWART INTL (SWF)

AMDT 5 08325 (FAA)

TAKE-OFF MINIMUMS: **Rwy 16**, std. w/min. climb of 255' per NM to 2000 or 1500-2½ for climb in visual conditions. **Rwy 27**, 300-1 or std. w/min. of 366' per NM to 800. **Rwy 34**, 300-1½ or std. w/min. climb of 503' per NM to 800.

DEPARTURE PROCEDURE: **Rwy 9**, climb heading 092° to 2100 before turning south. **Rwy 16**, climb heading 163° to 2000 before proceeding on course or for climb in visual conditions cross Stewart Intl airport at or above 1800 before proceeding on course. **Rwy 27**, climb heading 272° to 1200 before turning south.

NOTE: **Rwy 9**, trees beginning 730' from departure end of runway, 23' left of centerline, up to 66' AGL/566' MSL. Bush 172' from departure end of runway, 193' left of centerline, up to 43' AGL/483' MSL. **Rwy 16**, trees 785' from departure end of runway, 461' left of centerline, up to 86' AGL/466' MSL. Trees beginning 1254' from departure end of runway, 563' right of centerline, up to 112' AGL/492' MSL. **Rwy 27**, trees beginning 685' from departure end of runway, 525' left of centerline, up to 23' AGL/543' MSL. Fence 430' from departure end of runway, 528' left of centerline, 19' AGL/529' MSL. Middle marker 701' from departure end of runway, on runway centerline, 5' AGL/515' MSL. **Rwy 34**, trees beginning 608' from departure end of runway, 21' left of centerline, up to 91' AGL/611' MSL. Terrain and trees beginning 77' from departure end of runway, 71' right of centerline, up to 92' AGL/612' MSL.

NIAGARA FALLS, NY

NIAGARA FALLS INTL

TAKE-OFF MINIMUMS: **Rwys 10L, 10R, 24**, 300-1 or std. with a min. climb of 300' per NM to 1700.

DEPARTURE PROCEDURE: **Rwy 6**, climb heading 060° to 1200 before proceeding on course. **Rwys 10L, 10R, 24** climb runway heading to 1700 before proceeding on course. **Rwys 28L, 28R**, climb heading 280° to 1200 before proceeding on course.

NOTE: **Rwy 6**, tree 1737' from departure end of runway, 308' left of centerline, 60' AGL/647' MSL. **Rwy 28L**, trees beginning 1668' from departure end of runway, 244' right of centerline, up to 74' AGL/654' MSL. Trees beginning 1337' from departure end of runway, 62' left of centerline, up to 63' AGL/646' MSL. Bush 625' from departure end of runway, 172' right of centerline, 26' AGL/611' MSL. **Rwy 28R**, trees beginning 866' from departure end of runway, 105' right of centerline, up to 100' AGL/690' MSL. Trees beginning 837' from departure end of runway, 321' left of centerline, up to 87' AGL/667' MSL.

NORWICH, NY

LT. WARREN EATON

TAKE-OFF MINIMUMS: **Rwys 1, 19**, 700-2 or std. with a min. climb of 400' per NM to 1900.

DEPARTURE PROCEDURE: **Rwys 1, 19**, climb runway heading to 2500 before proceeding on course.

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TAKE-OFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES



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TAKE-OFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES



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OGDENSBURG, NY

OGDENSBURG INTL

DEPARTURE PROCEDURE: **Rwys 9, 27**, climb runway heading to 700 before proceeding on course.**OLD BRIDGE, NJ**

OLD BRIDGE

TAKE-OFF MINIMUMS: **Rwys 6, 24**, 300-1.**OLEAN, NY**

CATTARAUGUS COUNTY-OLEAN

TAKE-OFF MINIMUMS: **Rwy 16**, 300-1 or std. with a min. climb of 340' per NM until passing 2500. **Rwy 34**, 300-1 or std. with a min. climb of 300' per NM until passing 2500.**ONEONTA, NY**

ONEONTA MUNI

TAKE-OFF MINIMUMS: **Rwys 6, 24**, 300-1.**PEDRICKTOWN, NJ**

SPITFIRE AERODROME

TAKE-OFF MINIMUMS: **Rwy 25**, NA-obstacles.**PENNYAN, NY**

PENN YAN

TAKE-OFF MINIMUMS: **Rwy 1**, 500-2 or std. with a min. climb of 230' per NM to 1700. **Rwy 19**, 600-2 or std. with a min. climb of 230' per NM to 1700. **Rwy 28**, 600-2, or std. with a min. climb of 320' per NM to 1700.NOTE: **Rwy 10**, 40' AGL trees at departure end of runway, 96' right of centerline.**PITTSBURGH, NJ**

ALEXANDRIA

TAKE-OFF MINIMUMS: **Rwy 8**, 400-1 or std. with 400' per NM to 900. **Rwy 13**, 300-1 or std. with 460' per NM to 700. **Rwy 31**, 600-1 or std. with 340' per NM to 1200.

SKY MANOR

TAKE-OFF MINIMUMS: **Rwy 7**, 300-1.**PLATTSBURGH, NY**

PLATTSBURGH INTL

DEPARTURE PROCEDURE: **Rwy 17**, climb heading 172° to 2500 before turning on course. **Rwy 35**, climb heading 352° to 2800 before turning on course.NOTE: **Rwy 17**, tree 1844' from departure end of runway, 966' right of centerline, 87' AGL/237' MSL. Tree 2289' from departure end of runway, 937' left of centerline, 75' AGL/222' MSL. **Rwy 35**, numerous trees beginning 1602' from departure end of runway, 501' left of centerline, up to 63' AGL/293' MSL. Tree, 2270' from departure end of runway, 944' left of centerline, 104' AGL/334' MSL. Tree 2035' from departure end of runway, 1014' right of centerline, 107' AGL/307' MSL.**POUGHKEEPSIE, NY**

DUTCHESS COUNTY

TAKE-OFF MINIMUMS: **Rwy 6**, 500-1.**Rwys 15, 33**, 400-1.DEPARTURE PROCEDURE: **Rwy 6**, climb direct IGN VOR/DME, then via IGN R-070 to 2000 before proceeding on course. **Rwy 15**, climb to 600 then climbing left turn to 1000 direct IGN VOR/DME before proceeding on course. **Rwy 24**, climb to 2000 via IGN R-250 before proceeding on course. **Rwy 33**, climb to 600 then climbing right turn to 1000 direct IGN VOR/DME before proceeding on course.**PRINCETON (ROCKY HILL), NJ**

PRINCETON

TAKE-OFF MINIMUMS: **Rwy 10**, 300-2 or std. with a min. climb of 340' per NM to 600.NOTE: **Rwy 10**, multiple terrain beginning 61' from departure end of runway, 7' left of centerline, 0' AGL/168' MSL. Tank 1462' from departure end of runway, 699' left of centerline, 130' AGL/270' MSL. Tower 1.5 NM from departure end of runway, 1013' left of centerline, 175' AGL/460' MSL. Road 400' from departure end of runway, on centerline, 17' AGL/184' MSL. **Rwy 28**, tree 565' from departure end of runway, 634' left of centerline, up to 100' AGL/219' MSL. Terrain 154' from departure end of runway, 253' left of centerline, 0' AGL/128' MSL. Terrain 390' from departure end of runway, 554' left of centerline, 0' AGL/132' MSL.**READINGTON, NJ**

SOLBERG-HUNTERDON

TAKE-OFF MINIMUMS: **Rwys 10, 28**, NA.**Rwy 31**, 800-3 or std. with a min. climb of 290' per NM to 1100.**REDHOOK, NY**

SKY PARK

TAKE-OFF MINIMUMS: **Rwy 1**, 300-1. **Rwy 19**, 400-2 or std. with a min. climb of 240' per NM to 800.DEPARTURE PROCEDURE: **Rwys 1, 19**, climb runway heading to 3000 before proceeding on course.**ROBBINSVILLE, NJ**

TRENTON-ROBBINSVILLE

TAKE-OFF MINIMUMS: **Rwy 29**, 300-1 or std. with a min. climb of 280' per NM to 400.DEPARTURE PROCEDURE: **Rwy 29**, climb runway heading to 800 before turning right.**ROCHESTER, NY**

GREATER ROCHESTER INTL

TAKE-OFF MINIMUMS: **Rwy 22**, 500-1 or std. with a min. climb of 220' per NM to 1100.**Rwys 25, 28**, 300-1.DEPARTURE PROCEDURE: **Rwy 4**, climb runway heading to 1200 before turning.

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ROME, NY

GRIFFISS INTL (RME)

ORIG 08185 (FAA)

DEPARTURE PROCEDURE: **Rwy 15**, climb heading 146° to 1000 before turning left. **Rwy 33**, climb heading 326° to 1400 before turning right.

NOTE: **Rwy 15**, trees beginning 2306' from departure end of runway, 405' left of centerline, up to 92' AGL/590' MSL.

SARANAC LAKE, NY

ADIRONDACK RGNL

TAKE-OFF MINIMUMS: **Rwy 5**, 800-1 or std. with a min. climb of 230' per NM to 2500. **Rwy 9**, 600-2.

Rwy 23, 600-1 or std. with a min. climb of 240' per NM to 2300.

DEPARTURE PROCEDURE: **Rwys 5,9**, climb to 2500 via SLK R-080, then climbing left turn direct SLK VOR so as to cross SLK VOR at 3000 or above before proceeding on course. **Rwy 23**, climbing right turn to 4000 via heading 250° before proceeding on course.

Rwy 27, climb runway heading to 2300 before proceeding on course.

SARATOGA SPRINGS, NY

SARATOGA COUNTY (5B2)

AMDT 3 08269 (FAA)

TAKE-OFF MINIMUMS: **Rwy 32**, std. w/ min climb of 322' per NM to 2600 or 1500-2½ for climb in visual conditions.

DEPARTURE PROCEDURE: **Rwy 5**, climb heading 053° to 1700 before proceeding on course. **Rwy 14**, climb heading 143° to 1200 before proceeding on course. **Rwy 23**, climb heading 233° to 1200 before proceeding on course. **Rwy 32**, for climb in visual conditions: cross Saratoga County airport at or above 1800 MSL before proceeding on course.

NOTE: **Rwy 5**, trees beginning 1535' from departure end of runway, on centerline, up to 65' AGL/493' MSL. Trees beginning 718' from departure end of runway, 561' right of centerline, up to 65' AGL/493' MSL. Trees beginning 521' from departure end of runway, 437' left of centerline, up to 65' AGL/493' MSL. **Rwy 14**, trees beginning 826' from departure end of runway, on centerline, up to 71' AGL/500' MSL. Trees beginning 439' from departure end of runway, 10' right of centerline, up to 71' AGL/500' MSL. Building 606' from departure end of runway, 350' left of centerline, 35' AGL/464' MSL. **Rwy 23**, trees beginning 1166' from departure end of runway, on centerline, up to 100' AGL/531' MSL. **Rwy 32**, trees beginning 544' from departure end of runway, 72' right of centerline, up to 69' AGL/501' MSL. Trees beginning 457' from departure end of runway, 236' left of centerline, up to 69' AGL/501' MSL. Terrain beginning 3.7 NM from departure end of runway, left to right of centerline, up to 1756' MSL.

SCHENECTADY, NY

SCHENECTADY COUNTY

TAKE-OFF MINIMUMS: **Rwy 4**, 300-1 or std. with a min. climb of 220' per NM to 600. **Rwy 28**, 1200-2 or std. with a min. climb of 240' per NM to 2000.

NOTE: **Rwy 4**, 459' trees 80' from departure end of runway, 470' left of centerline.

SHIRLEY, NY

BROOKHAVEN

TAKE-OFF MINIMUMS: **Rwys 6,33**, NA-Noise abatement.

NOTE: **Rwy 15**, trees beginning 173' from departure end of runway, 376' right of centerline, up to 60' AGL/124' MSL. Trees beginning 40' from departure end of runway, 281' left of centerline, up to 60' AGL/124' MSL.

Rwy 24, trees beginning 199' from departure end of runway, 497' left of centerline, up to 60' AGL/148' MSL. Trees beginning 604' from departure end of runway, 597' right of centerline, up to 60' AGL/133' MSL.

SIDNEY, NY

SIDNEY MUNI

TAKE-OFF MINIMUMS: **Rwy 7**, 900-1 or std. with a min. climb of 275' per NM to 2000. **Rwy 25**, 700-1 or std. with a min. climb of 465' per NM to 1800.

DEPARTURE PROCEDURE: **Rwy 7**, climb runway heading to 2500 before turning. **Rwy 25**, climb runway heading to 2000 before turning.

SKANEATELES, NY

SKANEATELES AERO DROME

TAKE-OFF MINIMUMS: **Rwys 10,28**, 300-1.

SOMERVILLE, NJ

SOMERSET

TAKE-OFF MINIMUMS: **Rwy 12**, 800-3 or std. with a min. climb of 210' per NM to 1100'.

Rwys 8,17,26,35, NA.

STORMVILLE, NY

STORMVILLE

TAKE-OFF MINIMUMS: **Rwy 24**, 300-1.

Rwy 6, 1200-1.

DEPARTURE PROCEDURE: **Rwy 6**, climbing left turn direct IGN VOR/DME, cross IGN VOR/DME at or above 2000. **Rwy 24**, climbing right turn direct IGN VOR/DME, cross IGN VOR/DME at or above 2000.

SUSSEX, NJ

SUSSEX

TAKE-OFF MINIMUMS: **Rwy 3**, 700-1. **Rwy 21**, 500-1.

DEPARTURE PROCEDURE: **Rwy 3**, climb runway heading to 1200, then climbing right turn to 3000 direct SAX VORTAC, then climb on course. **Rwy 21**, climb runway heading to 1500, then climb on course.

SYRACUSE, NY

SYRACUSE HANCOCK INTL

DEPARTURE PROCEDURE: **Rwy 10**, climb runway heading to 1500 before turning southbound.

Rwy 15, climb runway heading to 2800 before turning southbound. **Rwy 28**, climb runway heading to 1100 before turning southbound. **Rwy 33**, climb runway heading to 1000 before turning southbound.

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TAKE-OFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES



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TETERBORO, NJ

TETERBORO (TEB)

AMDT 5 08325 (FAA)

TAKE-OFF MINIMUMS: **Rwy 1**, 400-2¼ or std. w/min. climb of 294' per NM to 500. **Rwy 6**, 300-1½ or std. w/min. climb of 263' per NM to 400. **Rwy 19**, 2¼ or std. w/min. climb of 352' per NM to 700.

DEPARTURE PROCEDURE: **Rwys 1, 6**, climb to 900 via heading 040° before proceeding on course. **Rwy 19**, climb to 900 then climbing right turn to 2000 via BWZ R-104 before proceeding on course. **Rwy 24**, climb to 1100 before proceeding on course.

NOTE: **Rwy 1**, multiple vents beginning 195' from departure end of runway, 548' left of centerline up to 36' AGL/45' MSL. Multiple poles beginning 904' from departure end of runway, 354' right of centerline up to 33' AGL/42' MSL. Tree 1537' from departure end of runway, 137' right of centerline 44' AGL/53' MSL. Multiple trees beginning 1727' from departure end of runway, 508' left of centerline up to 73' AGL/82' MSL. **Rwy 6**, antenna on building 235' from departure end of runway, 311' left of centerline 13' AGL/22' MSL. Pole 266' from departure end of runway, 530' left of centerline 12' AGL/36' MSL. Tree 336' from departure end of runway, 581' right of centerline 36' AGL/45' MSL. Multiple poles beginning 427' from departure end of runway, 355' right of centerline up to 32' AGL/41' MSL. Flagpole 414' from departure end of runway, 322' left of centerline 29' AGL/38' MSL. Vent on building 530' from departure end of runway, 11' left of centerline 24' AGL/33' MSL. Building 950' from departure end of runway, 420' left of centerline 39' AGL/45' MSL. Multiple trees beginning 1038' from departure end of runway, 295' left of centerline up to 76' AGL/85' MSL. Obstruction light on building 1610' from departure end of runway, 101' right of centerline 54' AGL/63' MSL. Tree 3619' from departure end of runway, 153' right of centerline 92' AGL/101' MSL. Obstruction light on sign 3962' from departure end of runway, 1204' left of centerline 106' AGL/115' MSL. **Rwy 19**, obstruction light on fence 186' from departure end of runway, 117' right of centerline 8 AGL/17' MSL. Multiple trees beginning 215' from departure end of runway, 120' left of centerline up to 77' AGL/86' MSL. Pole 249' from departure end of runway, 504' right of centerline 37' AGL/46' MSL. Multiple trees beginning 390' from departure end of runway, 185' right of centerline up to 83' AGL/92' MSL. Vent on building 971' from departure end of runway, 2' left of centerline 29' AGL/38' MSL. **Rwy 24**, tree 3347' from departure end of runway, 1253' right of centerline 125' AGL/134' MSL. Obstruction light on sign 4039' from departure end of runway, 536' right of centerline 120' AGL/129' MSL.

TICONDEROGA, NY

TICONDEROGA MUNI

TAKE-OFF MINIMUMS: **Rwy 20**, 800-2 or std. with a min. climb of 330' per NM to 1200.

DEPARTURE PROCEDURE: **Rwy 2**, climb runway heading to 3800 before proceeding on course. **Rwy 20**, climbing left turn to 2400 via heading 165° before proceeding on course.

TOMS RIVER, NJ

ROBERT J. MILLER AIR PARK

NOTE: **Rwy 6**, trees beginning 116' from departure end of runway, 2' left of centerline, up to 52' AGL/121' MSL. Trees beginning 333' from departure end of runway, 163' right of centerline, up to 60' AGL/169' MSL. **Rwy 24**, tree 1338' from departure end of runway, 730' right of centerline, 31' AGL/120' MSL.

TRENTON, NJ

TRENTON MERCER

TAKE-OFF MINIMUMS: **Rwy 16**, 300-1.

DEPARTURE PROCEDURE: **Rwy 6**, climb runway heading to 750 before turning east. **Rwy 24**, climb runway heading to 400 before turning.

VINCENTOWN, NJ

RED LION

TAKE-OFF MINIMUMS: **Rwy 23**, 300-1.**VINELAND, NJ**

KROELINGER

TAKE-OFF MINIMUMS: **Rwys 10, 28**, 300-1.**WATERTOWN, NY**

WATERTOWN INTL (ART)

ORIG 07354 (FAA)

TAKE-OFF MINIMUMS: **Rwy 10**, 300-1½ or std. w/min. climb of 229' per NM to 600, or alternatively, with standard takeoff minimums and a normal 200'/NM climb gradient, takeoff must occur no later than 1900' prior to departure end of runway.

DEPARTURE PROCEDURE: **Rwy 10**, climb heading 090° to 800 before turning right.

NOTE: **Rwy 7**, vehicle on road and trees beginning 538' from departure end of runway, 407' left of centerline, up to 61' AGL/380' MSL. Trees 1366' from departure end of runway, 32' left of centerline, 46' AGL/375' MSL. Trees beginning 785' from departure end of runway, 494' right of centerline, up to 57' AGL/386' MSL. Trees beginning 1787' from departure end of runway, 98' right of centerline, up to 70' AGL/399' MSL. **Rwy 10**, bushes and trees beginning 127' from departure end of runway, 124' right of centerline, up to 46' AGL/388' MSL. Trees 7050' from departure end of runway, 1750' right of centerline, 70' AGL/529' MSL. **Rwy 28**, trees beginning 784' from departure end of runway, 124' left of centerline, up to 61' AGL/360' MSL. Trees beginning 920' from departure end of runway, 220' right of centerline, up to 87' AGL/386' MSL.

WEEDSPORT, NY

WHITFORDS

TAKE-OFF MINIMUMS: **Rwys 1, 10, 19, 28**, 300-1.**WELLSVILLE, NY**

WELLSVILLE MUNI AIRPORT,

TARANTINE FIELD

DEPARTURE PROCEDURE: **Rwys 10, 28**, climb runway heading to 2500 before proceeding on course.

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TAKE-OFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES**WEST MILFORD, NJ****GREENWOOD LAKE**

TAKE-OFF MINIMUMS: **Rwy 24**, 400-2 or std. with a min. climb of 280' per NM to 1300.

DEPARTURE PROCEDURE: **Rwys 6, 24**, climb runway heading to 1400 before proceeding on course.

WESTHAMPTON BEACH, NY**FRANCIS S. GABRESKI**

TAKE-OFF MINIMUMS: **Rwy 6**, 300-1 or std. with a min. climb of 220' per NM to 300.

WHEELER-SACK AAF, (KGBT)**FORT DRUM, NY**

Rwy 26, 300-1*

* Or standard with minimum climb of 240/NM to 800.

Rwy 3, 33, climb rwy heading to 1100, then climbing left turn via ART VORTAC R-058 to ART VORTAC. Cross ART VORTAC at or above 2700. Rwy 8, 15, 21, climb rwy heading to 1100, then climbing right turn via ART VORTAC R-095 to ART VORTAC. Cross ART VORTAC at or above 2700. Rwy 26, climb via heading 278° to intercept ART VORTAC R-058 to ART VORTAC. Cross ART VORTAC at or above 2700.

TAKE-OFF OBSTACLES: Rwy 26, 720' treeline 315' from departure end of rwy, 320' right of centerline.

WHITE PLAINS, NY**WESTCHESTER COUNTY (HPN)****AMDT 6 08213 (FAA)**

TAKE-OFF MINIMUMS: **Rwy 29**, 200-1½ or std. w/ min. climb of 230' per NM to 700, or alternatively, with standard takeoff minimums and normal 200'/NM climb gradient, takeoff must occur no later than 1900' prior to departure end of runway.

NOTE: **Rwy 11**, trees beginning 170' from departure end of runway, left and right of centerline, up to 96' AGL/526' MSL. Terrain 140' from departure end of runway, 248' left of centerline, 0' AGL/392' MSL. **Rwy 16**, windsock and trees beginning 309' from departure end of runway, 187' left of centerline, up to 101' AGL/510' MSL. Trees beginning 1005' from departure end of runway, 90' right of centerline, up to 127' AGL/436' MSL. Poles 3433' from departure end of runway, 604' left of centerline, up to 105' AGL/510' MSL. Terrain 273' from departure end of runway, 515' left of centerline, 0' AGL/387' MSL. **Rwy 34**, windsock 167' from departure end of runway, 282' right of centerline, 26' AGL/456' MSL. Trees 612' from departure end of runway, 560' left of centerline, up to 81' AGL/491' MSL. Trees beginning 2011' from departure end of runway, 751' right of centerline, up to 104' AGL/504' MSL. Obstruction light on DME 605' from departure end of runway, 263' right of centerline, 20' AGL/454' MSL. **Rwy 29**, trees beginning 6' from departure end of runway, 14' right of centerline, up to 103' AGL/593' MSL. Pole and trees beginning 425' from departure end of runway, 228' left of centerline, up to 108' AGL/488' MSL. Tank 1.19 NM from departure end of runway, 751' right of centerline, 86' AGL/599' MSL. Pole 212' from departure end of runway, 485' right of centerline, 23' AGL/417' MSL.

WILDWOOD, NJ**CAPE MAY COUNTY**

TAKE-OFF MINIMUMS: **Rwy 10**, 300-2 or std. with a min. climb of 260' per NM to 500.

DEPARTURE PROCEDURE: **Rwy 19**, climb heading 190° to 700 before turning left.

NOTE: **Rwy 1**, multiple trees beginning 212' from departure end of runway, 187' left of centerline, up to 72' AGL/86' MSL. Multiple trees beginning 169' from departure end of runway, 314' right of centerline, up to 42' AGL/59' MSL. Road 197' from departure end of runway 240' right of centerline, 15' AGL/30' MSL. Road 265' from departure end of runway, on runway centerline, 15' AGL/29' MSL. **Rwy 10**, multiple trees beginning 42' from departure end of runway, 262' left of centerline, up to 60' AGL/77' MSL. Multiple trees beginning 1004' from departure end of runway, 441' left of centerline, up to 77' AGL/94' MSL. Tower 1.52 NM from departure end of runway, 643' left of centerline, 309' AGL/84' MSL. **Rwy 19**, multiple trees beginning 669' from departure end of runway, 397' left of centerline, up to 73' AGL/90' MSL. Multiple trees beginning 1010' from departure end of runway, 46' right of centerline, up to 62' AGL/90' MSL. Fence 80' from departure end of runway, 507' right of centerline, 18' AGL/30' MSL. **Rwy 28**, multiple trees beginning 74' from departure end of runway, 460' left of centerline, up to 70' AGL/84' MSL. Multiple trees beginning 1235' from departure end of runway, 496' right of centerline, up to 74' AGL/88' MSL.

WILLIAMSON/SODUS, NY**WILLIAMSON-SODUS (SDC)****AMDT 1 08213 (FAA)**

TAKE-OFF MINIMUMS: **Rwy 10**, 300-2 or std. w/ min. climb of 427' per NM to 700.

NOTE: **Rwy 10**, trees beginning 26' from departure end of runway, 296' right of centerline, up to 76' AGL/625' MSL. Trees beginning 257' from departure end of runway, 310' left of centerline, up to 56' AGL/655' MSL. Vehicles on roadway, 339' from departure end of runway, 377' right of centerline, 15' AGL/451' MSL. Pole 360' from departure end of runway, 122' left of centerline, 29' AGL/448' MSL. Pole 362' from departure end of runway, 85' right of centerline, 31' AGL/450' MSL. Silo 409' from departure end of runway, 466' left of centerline, 40' AGL/459' MSL. Antenna 1.5 NM from departure end of runway, 662' left of centerline, 100' AGL/659' MSL. Antenna 1.6 NM from departure end of runway, 400' left of centerline, 106' AGL/715' MSL. **Rwy 28**, trees beginning abeam departure end of runway, 188' left of centerline, up to 110' AGL/549' MSL. Trees beginning 72' from departure end of runway, 266' right of centerline, up to 93' AGL/522' MSL. Building 204' from departure end of runway, 271' right of centerline, 12' AGL/441' MSL. Fence 312' from departure end of runway, 59' left of centerline, 6' AGL/435' MSL. Pole 338' from departure end of runway, 271' left of centerline, 32' AGL/461' MSL. Vehicles on roadway 357' from departure end of runway, 382' left of centerline, 15' AGL/460' MSL. Building 497' from departure end of runway, 339' left of centerline, 21' AGL/450' MSL.

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**TAKE-OFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES**

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WOODBINE, NJ**WOODBINE MUNI**

TAKE-OFF MINIMUMS: **Rwy 1**, 300-1 or std. with a min. climb of 260' per NM to 300. **Rwy 12**, 300-1. **Rwy 30**, 400-1 or std. with a min. climb of 260' per NM to 300.

WURTSBORO, NY**WURTSBORO-SULLIVAN COUNTY**

TAKE-OFF MINIMUMS: **Rwys 5,9,14,18,27,32,36**, NA-obstacles. **Rwy 23**, std. with a min. climb of 388' per NM to 2100.

DEPARTURE PROCEDURE: **Rwy 23**, climb via heading 228° to 2100 before proceeding on course.

NOTE: **Rwy 23**, numerous trees 6594' from departure end of runway, 2150' right of centerline, 100' AGL/793' MSL to 100' AGL/957' MSL.

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